

**IN THE ABSTRACT:**

The Abstract as amended below with a replacement Abstract shows added text with underlining and deleted text with ~~striketrough~~.

Please DELETE the Abstract in its entirety and substitute the attached new Abstract.

A wireless sensor incorporated bearing assembly includes a bearing-(1) including a stationary race member (3)-and a rotatable race member-(2), a sensor unit (9)-and a sensor unit mounting device (30)-~~for~~to removably mounting the sensor unit (9)-on the stationary race member (3)-of the bearing-(1). The sensor unit (9)-is of one-piece construction including a sensor section (26)-~~for~~to detecting a target of detection, a signal transmitting circuit (29b)-and a transmitting antenna-(29a). The sensor unit (9)-includes, as an electric power supply section (27), a section that does not require wiring, for example, an electric power receiving section (28)-~~for~~to receivingreceive an electric power ~~by wirelessly~~by wirelessly, or a battery or electric power generator.